


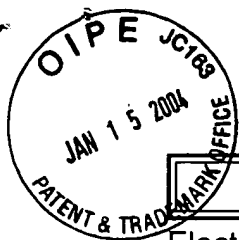


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Electronic Patent Application Submission
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Application ID: 10627537 
Title of Invention: System and Method for Multiple-
Input Multiple-Output (MIMO)
Radio Communication
First Named Inventor: Gary Sugar
Domestic/Foreign Application: Domestic Application
Filing Date: 2003-07-25
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Confirmation number: 3568
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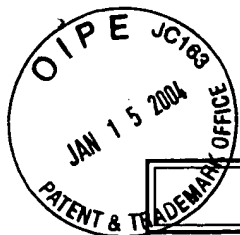


TRANSMITTAL

Electronic Version v1.1

Stylesheet Version v1.1.0


Title of Invention	System and Method for Multiple-Input Multiple-Output (MIMO) Radio Communication									
<p>Application Number: 10/627537 </p> <p>Date: 2003-07-25</p> <p>First Named Applicant: Mr. Gary L. Sugar</p> <p>Confirmation Number: 3568</p> <p>Attorney Docket Number: Cognio29US</p>										
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<table border="1"><thead><tr><th>Submitted by:</th><th>Elec. Sign.</th><th>Sign. Capacity</th></tr></thead><tbody><tr><td>Mr. Andrew Floam Registered Number: 34,597</td><td>/daf/</td><td>Agent</td></tr></tbody></table>			Submitted by:	Elec. Sign.	Sign. Capacity	Mr. Andrew Floam Registered Number: 34,597	/daf/	Agent		
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<table><tr><td>Documents being submitted</td><td>Files</td></tr><tr><td>us-ids</td><td>Cognio29US-usidst.xml</td></tr><tr><td></td><td>us-ids.dtd</td></tr><tr><td></td><td>us-ids.xsl</td></tr></table>			Documents being submitted	Files	us-ids	Cognio29US-usidst.xml		us-ids.dtd		us-ids.xsl
Documents being submitted	Files									
us-ids	Cognio29US-usidst.xml									
	us-ids.dtd									
	us-ids.xsl									
Comments										



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	System and Method for Multiple-Input Multiple-Output (MIMO) Radio Communication																																																																														
<p>Application Number: 10/627537 </p> <p>Confirmation Number: 3568</p> <p>First Named Applicant: Gary Sugar</p> <p>Attorney Docket Number: Cognio29US</p> <p>Art Unit: 2811</p> <p>Search string: (6636568 or 6473467 or 6141393 or 6008760 or 6331837 or 6252548 or 6377819 or 6351499 or 6317466 or 6097771 or 6400699 or 6298092 or 6362781 or 6400780 or 5437055 or 5394435 or 6122260 or 6442214 or 6058105 or 6144711 or 6377631 or 6327310 or 6351499 or 20020118781 or 20030125090 or 20030139194 or 20020196842 or 20030108117 or 20020127978 or 20020067309 or 20020039884 or 20010015999 or 20010015994 or 20010046255 or 20010053143 or 20020118781 or 20020122383 or 20020085643 or 20020064246 or 20020141355 or 20020136170 or 20020001316 or 20020072392 or 20020122501).pn.</p> <p>US Patent Documents</p> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td></td><td>1</td><td>6636568</td><td>2003-10-21</td><td>Kadous</td><td>B2</td><td>375</td><td>255</td></tr><tr><td></td><td>2</td><td>6473467</td><td>2002-10-29</td><td>Wallace et al.</td><td>B1</td><td>375</td><td>267</td></tr><tr><td></td><td>3</td><td>6141393</td><td>2000-10-31</td><td>Thomas et al.</td><td></td><td>375</td><td>347</td></tr><tr><td></td><td>4</td><td>6008760</td><td>1999-12-28</td><td>Shattil</td><td></td><td>342</td><td>378</td></tr><tr><td></td><td>5</td><td>6331837</td><td>2001-12-18</td><td>Shattil</td><td></td><td>342</td><td>378</td></tr><tr><td></td><td>6</td><td>6252548</td><td>2001-06-26</td><td>Jeon</td><td>B1</td><td>342</td><td>383</td></tr><tr><td></td><td>7</td><td>6377819</td><td>2002-04-23</td><td>Gesbert et al.</td><td>B1</td><td>455</td><td>562</td></tr><tr><td></td><td>8</td><td>6351499</td><td>2002-02-26</td><td>Paulraj et al.</td><td>B1</td><td>375</td><td>267</td></tr></tbody></table>								init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass		1	6636568	2003-10-21	Kadous	B2	375	255		2	6473467	2002-10-29	Wallace et al.	B1	375	267		3	6141393	2000-10-31	Thomas et al.		375	347		4	6008760	1999-12-28	Shattil		342	378		5	6331837	2001-12-18	Shattil		342	378		6	6252548	2001-06-26	Jeon	B1	342	383		7	6377819	2002-04-23	Gesbert et al.	B1	455	562		8	6351499	2002-02-26	Paulraj et al.	B1	375	267
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	9	6317466	2001-11-13	Foschini et al.	B1	375	267
	10	6097771	2000-08-01	Foschini		375	346
	11	6400699	2002-06-04	Airy et al.	B1	370	329
	12	6298092	2001-10-02	Heath, Jr. et al.	B1	375	267
	13	6362781	2002-03-26	Thomas et al.	B1	342	383
	14	6400780	2002-06-04	Rashid-Farrokhhi et al.	B1	375	347
	15	5437055	1995-07-25	Wheatley, III		455	33.3
	16	5394435	1995-02-28	Weerackody		375	206
	17	6122260	2000-09-19	Liu et al.		370	280
	18	6442214	2002-08-27	Boleskei et al.	B1	375	299
	19	6058105	2000-05-02	Hochwald et al.		370	310
	20	6144711	2000-11-07	Raleigh et al.		375	347
	21	6377631	2002-04-23	Raleigh	B1	375	299
	22	6327310	2001-12-04	Hochwald et al.	B1	375	259
	23	6351499	2002-02-26	Paulraj et al.	B1	375	267

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
	1	20020118781	2002-08-29	Thomas et al.	A1	375	347
	2	20030125090	2003-07-03	Zeira	A1	455	562
	3	20030139194	2003-07-24	Onggosanusi et al.	A1	455	506
	4	20020196842	2002-12-26	Onggosanusi et al.	A1	375	148
	5	20030108117	2003-06-12	Ketchum et al.	A1	375	295
	6	20020127978	2002-09-12	Khatri	A1	455	103
	7	20020067309	2002-06-06	Baker et al.	A1	342	367
	8	20020039884	2002-04-04	Raynes et al.	A1	455	13.3
	9	20010015999	2001-08-23	Nam	A1	375	148
	10	20010015994	2001-08-23	Nam	A1	375	130
	11	20010046255	2001-11-29	Shattil	A1	375	142
	12	20010053143	2001-12-20	Li et al.	A1	370	344
	13	20020118781	2002-08-29	Thomas et al.	A1	375	347
	14	20020122383	2002-09-05	Wu et al.	A1	370	210
	15	20020085643	2002-07-04	Kitchener et al.	A1	375	267
	16	20020064246	2002-05-30	Kelkar et al.	A1	375	347

	17	20020141355	2002-10-03	Struhsaker et al.	A1	370	280
	18	20020136170	2002-09-26	Struhsaker	A1	370	280
	19	20020001316	2002-01-03	Hornsby et al.	A1	370	487
	20	20020072392	2002-06-13	Awater et al.	A1	455	561
	21	20020122501	2002-09-05	Awater	A1	375	262

Signature

Examiner Name	Date